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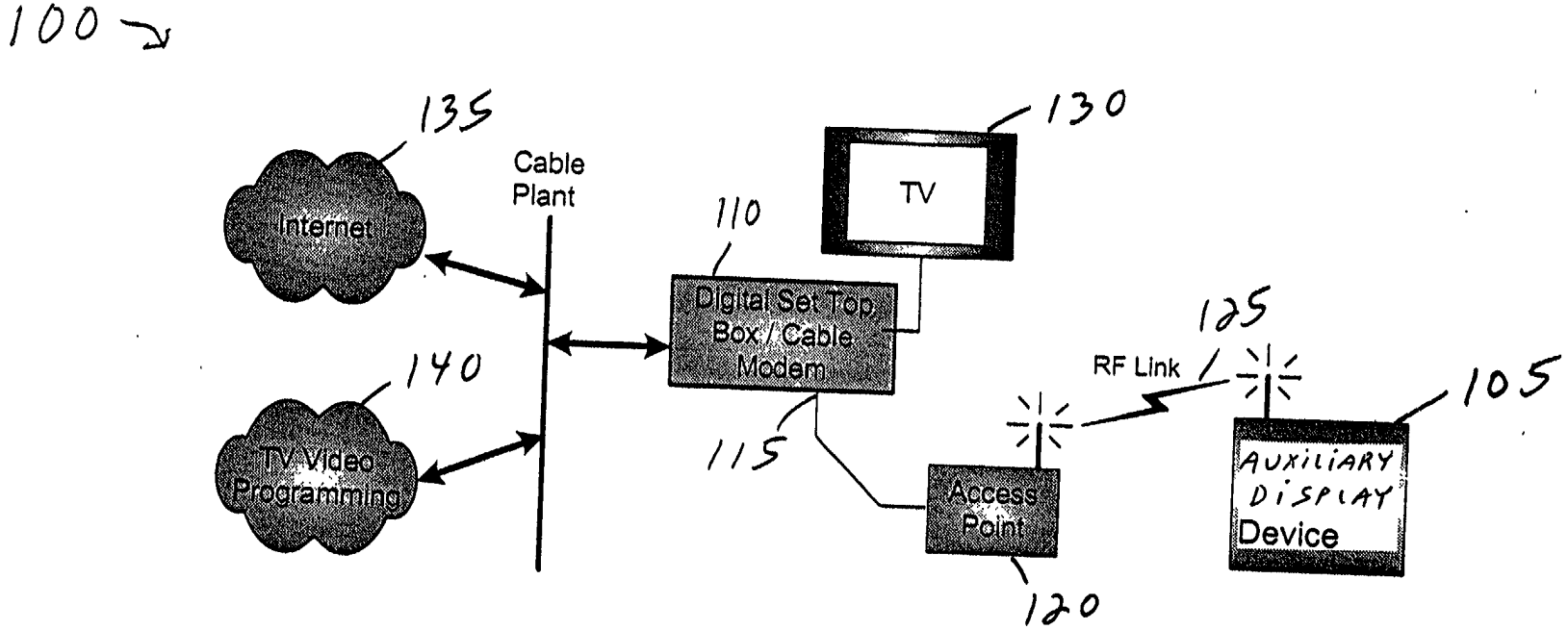


FIG. 1
(PRIOR ART)

Title: Correlation of Tuned Channel Information . . . Addresses
Inventors: Barry P. Falvo et al.
Attorney Docket No. 10622-16US Cust. No. 570
Express Mail Label No. EL665880795US

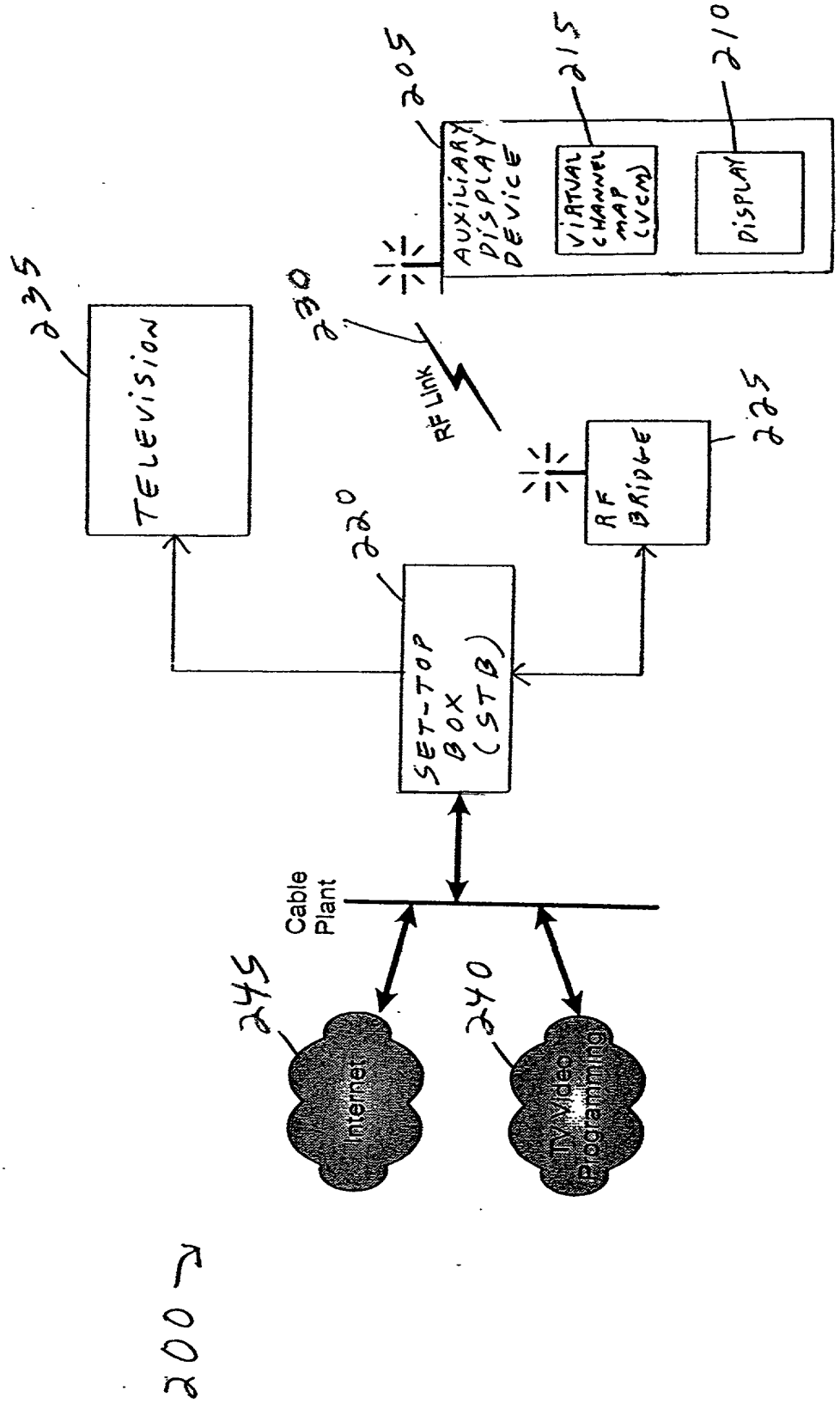


FIG. 2

10075568.022502

20E120 "8895200E

| Virtual Channel Number | Source ID | Carrier | Modulation Mode | Service Number | Descriptor |
|---|---|---|---|---|---|
| 100 | 1100 | 250 MHz | 64 QAM | 3 | NBC |
| 101 | 2306 | 250 MHz | 64 QAM | 5 | ESPN |
| 102 | 4002 | 300 MHz | 256 QAM | 1 | HBO |

FIG. 3

Title: Correlation of Tuned Channel Information . . . Addresses
Inventors: Barry P. Falvo et al.
Attorney Docket No. 10622-16US Cust. No. 570
Express Mail Label No. EL665880795US

| Virtual Channel Number | Top level URL | Program Specific URL | Actor Profiles URL | Chat URL | Message Board URL | Game URL | Advertisement URL |
|---|---|---|---|---|---|---|---|
| 100 | www.nbc.com | www.nbc.com/Weakest_Link/. | www.nbc.com/Weakest_Link/anne.html | 0 | 0 | http://www.nbc.com/Weakest_Link/playalong.html | 0 |
| 101 | www.espn.com | espn.go.com/thisissportscenter/index.html | 0 | dynamic.espn.go.com/espn/chat/chatESPN?event_id=799 | 0 | 0 | promotions.gocom/apps/espn/attwireless/entry |
| 102 | www.hbo.com | www.hbo.com/sopranos/ | http://www.hbo.com/sopranos/show/cast/index.shtml | http://rw.hbo.com/cgi-bin/hbologon.cgi?.State=Chat&r=sopranos | rw.hbo.com/cgi-bin/hbologon.cgi?.State=BBS&r=sopranos&bbslocation=.ee6b2bb | http://www.hbo.com/sopranos/community/trivia/sopranos_game.htm | http://www.hbo.com/NASApp/hboxpress/jsp/get_hbo.jsp |

FIG. 4

Title: Correlation of Tuned Channel Information . . . Addresses
Inventors: Barry P Falvo et al
Attorney Docket No. 10622-16US Cust. No. 570
Express Mail Label No. EL665880795US

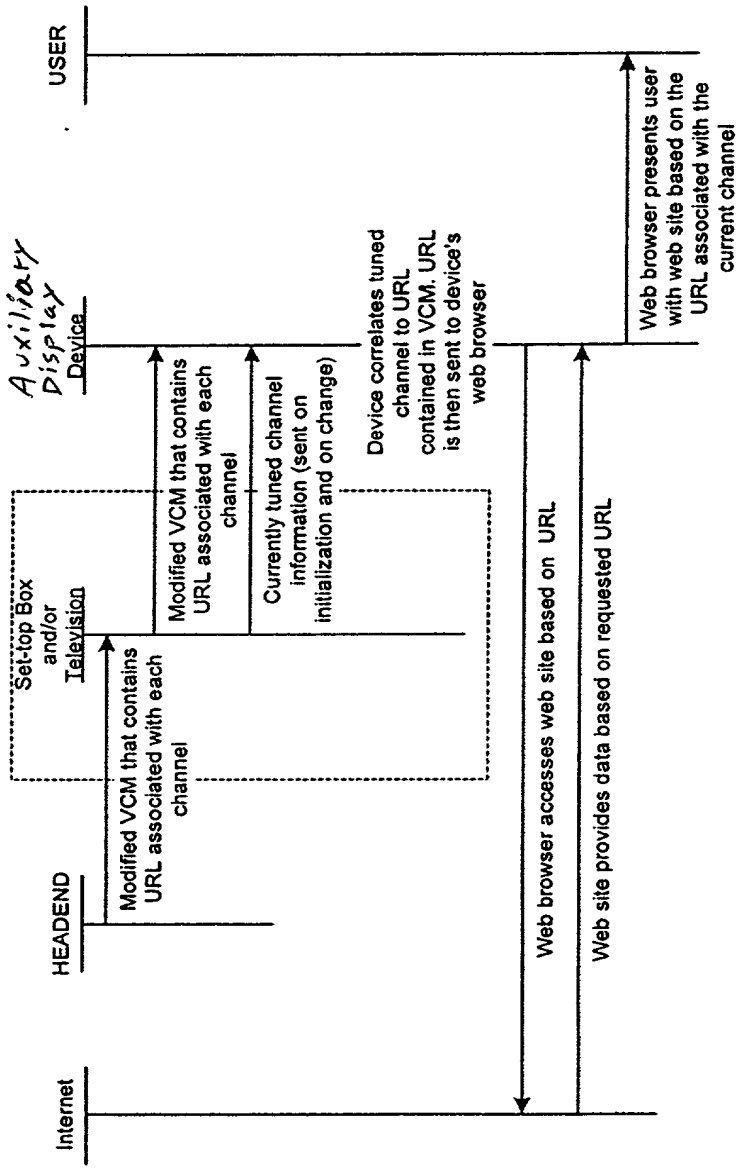
USER
Auxiliary Display Device
Set-top Box and/or Television
HEADEND
Internet
Modified VCM that contains URL associated with each channel
Modified VCM that contains URL associated with each channel
Currently tuned channel information (sent on initialization and on change)
Device correlates tuned channel to URL contained in VCM. URL is then sent to device's web browser
Web browser presents user with web site based on the URL associated with the current channel
Web browser accesses web site based on URL
Web site provides data based on requested URL

FIG. 5

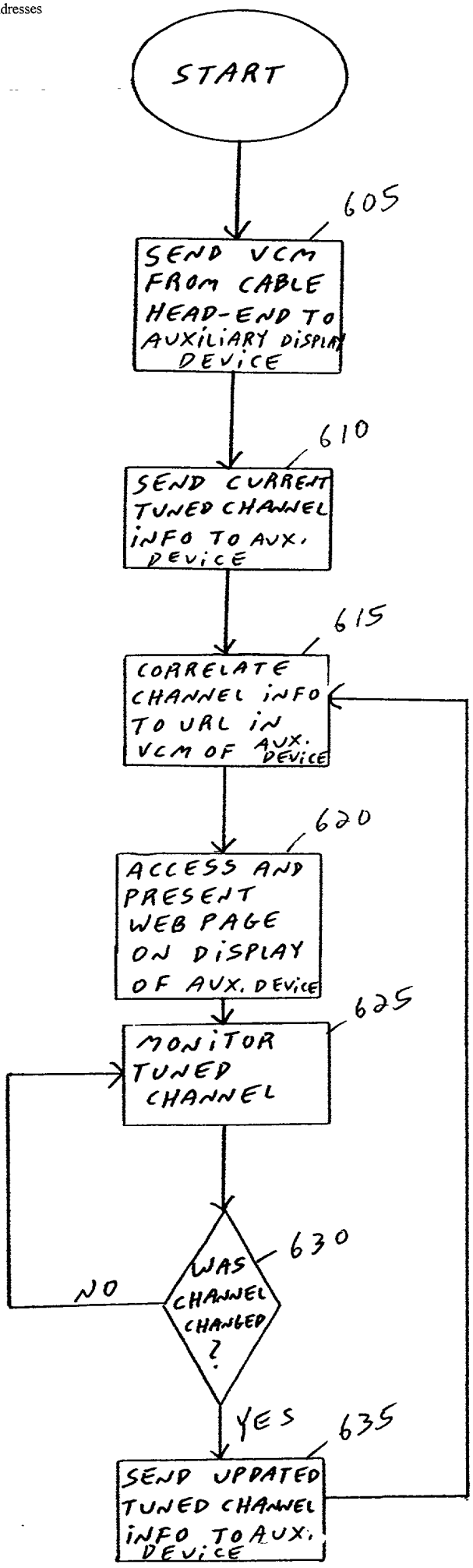
START
605
SEND VCM FROM CABLE HEAD-END TO AUXILIARY DISPLAY DEVICE
610
SEND CURRENT TUNED CHANNEL INFO TO AUX. DEVICE
615
CORRELATE CHANNEL INFO TO URL IN VCM OF AUX. DEVICE
620
ACCESS AND PRESENT WEB PAGE ON DISPLAY OF AUX. DEVICE
625
MONITOR TUNED CHANNEL
630
WAS CHANNEL CHANGED ?
NO
YES
635
SEND UPDATED TUNED CHANNEL INFO TO AUX. DEVICE

FIG. 6

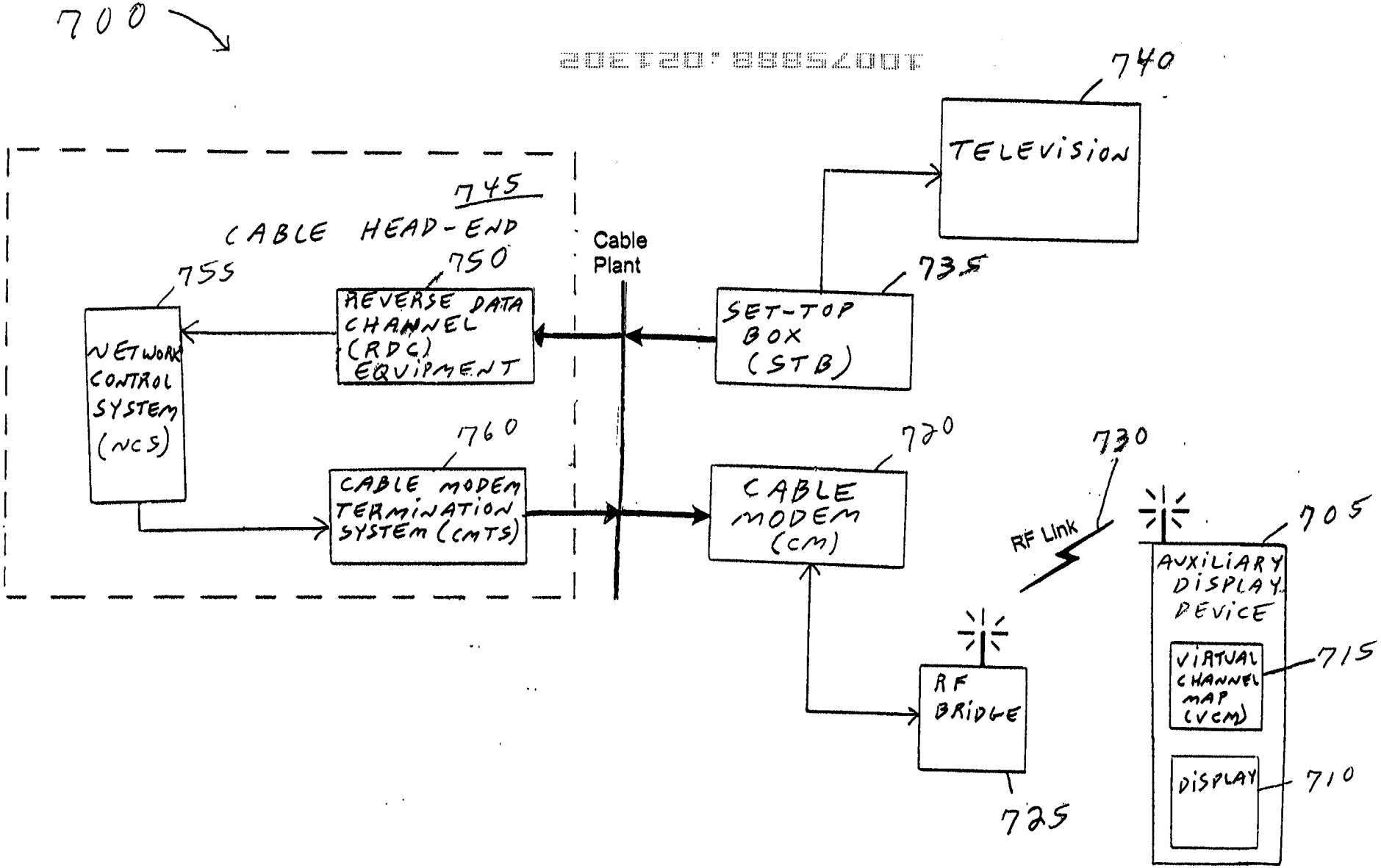


FIG. 7

Title: Correlation of Tuned Channel Information . . . Addresses
Inventors: Barry P. Falvo et al.
Attorney Docket No. 10622-16US Cust. No. 570
Express Mail Label No. EL665880795US

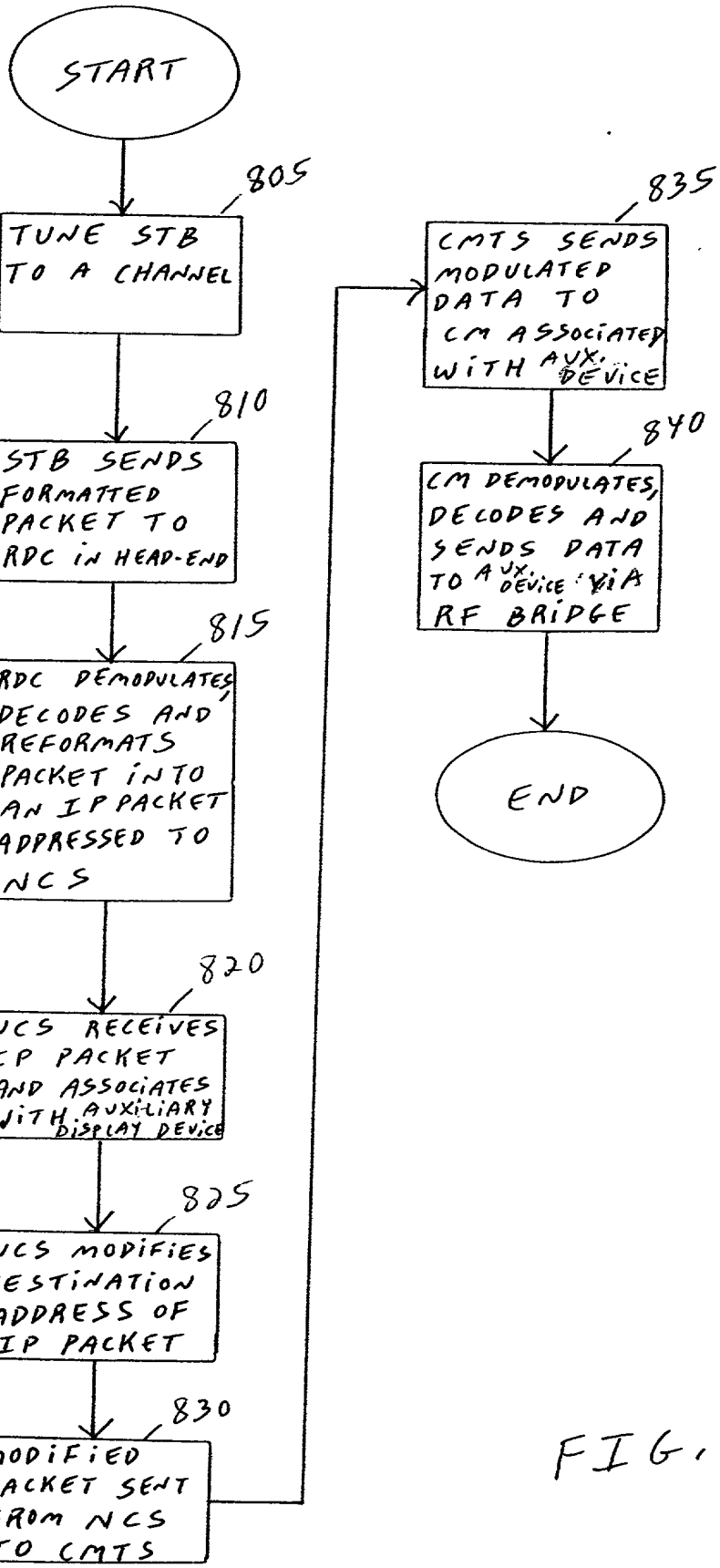
START
805
TUNE STB TO A CHANNEL
810
STB SENDS FORMATTED PACKET TO RDC IN HEAD-END
815
RDC DEMODULATES, DECODES AND REFORMATS PACKET INTO AN IP PACKET ADDRESSED TO NCS
820
NCS RECEIVES IP PACKET AND ASSOCIATES WITH AUXILIARY DISPLAY DEVICE
825
NCS MODIFIES DESTINATION ADDRESS OF IP PACKET
830
MODIFIED PACKET SENT FROM NCS TO CMTS
835
CMTS SENDS MODULATED DATA TO CM ASSOCIATED WITH AUX. DEVICE
840
CM DEMODULATES, DECODES AND SENDS DATA TO AUX. DEVICE VIA RF BRIDGE
END

FIG. 8